

BLUE SKYWAYS AG SUBCOMMITTEE CALL

Wednesday, Sept. 26 – 9:30-10:30 am Central Time

Call-In #: (866) 299-3188

Conf. Code #: 9135517039

Agenda

Intro / Roll Call

Small/Mid-Scale Wind Energy Projects – Charles Newcome

USDA NRCS Energy Estimator

Other topics / future topics

MEETING NOTES

Thank you everyone for being on the call. I hope it was informational and beneficial for each of you. Feel free to contact me if you have ideas to improve the call or would like to visit about a specific topic.

1) **Roll Call** - if you joined after the call started let me know

Attendees:

- Andrew Gordon (Nat'l RC&D)
- Paul Brown (ISU Ext.)
- Chuck Banks (KS Rural Dev.)
- Dennis Harding (IA Farm Bureau)
- Amy Scott (IA DNR)
- Leon Ashford (ODEQ)
- Roger Peach (NA Equip. Dealers)
- Kenlon Johannes (KS Soybeans)
- Lyn Kirschner (USDA NRCS)
- Victoria Carver (IA Soybeans)
- Wayne Graf (MO DNR)
- Brian Lindley (No-Till)
- Tereas Bomhoff (IA Rural Dev.)
- Carole Jordan (KS DOA)
- Odie Swanegan (MO NRCS)
- Charles Newcomb (Entegrity Wind)
- Kathryn Burke (CenSARA)
- Wes McQuiddy (EPA R6)
- Alan Banwart, (EPA R7)

2) **Small/Mid-Scale Wind Energy Projects** (ppt. attached to email)

- Entegrity Wind Systems - www.entegritywind.com - Blue Skyways Partner
- Charles Newcomb, Managing Director of Operations
(charles.newcomb@entegritywind.com)
- Started in the 80's manufacturing 50 kw machines
- Installing them at schools, prisons, wastewater treatment plants – future could include truck stops, manufacturing plants, etc...
- Long term viability protection since electricity costs are estimated to rise 5-8% above inflation (as a conservative number)
- Each unit is monitored by Entegrity, which makes it reliable

- Need wind speeds of 12 mph and up
- Small enough to meet needs, but large enough to pay for itself in the long term
- Price range of \$180,000-\$200,000 for steel and installation – w/ a 5 year operation and maintenance contract that is not an option
- They are connected to the turbines and are data logging to ensure they are working fine
- Entegriy installs 500 turbines/year in a six month time period
- Fastest project completion time is six months
- Simple pay-back is 10 years, but when compared to the net present value of turbine to the “business as usual” scenario at around 4-5 years the net present value is higher for the turbine
- This is not a “selling to the grid” project (~1-3 cents), but an “offsetting power usage” project (~7-15 cents)
- Agricultural groups have not taken advantage yet – possibly because of the longer pay-back period or the long lead time for funding
- USDA has different funding options: 9006 program or the Community Facilities Funds Program, the they have done a project yet using them
- Most projects have either paid cash or have used a local bank – community reinvestment at 4-6% over 10-15 years

3) USDA NRCS Energy Estimator

- Lyn Kirschner
- <http://energytools.sc.egov.usda.gov/>
- Areas of: animal housing, tillage, nitrogen, & irrigation

4) Other

- For calls in the future we plan to bring in different speakers to talk about the projects that they are working on to inform the whole group about the options that are out there. Please let me know if you have an idea or an interest.
- Blue Skyways is looking for you to apply to be a partner by filling out an application that describes your project that gets emission reductions – Blue Skyways in return will follow-up with your emission reduction numbers and any recognition desires that you may have
 - If you need assistance with this contact Alan... he may contact you too
 - Alan Banwart – banwart.alan@epa.gov or 913 551-7819

***** Agriculture Calls will be held on the 4th Wednesday of every other month from 9:30 to 10:30 am. The next meeting will be held on January 23, 2008. The call-in number will be (866) 299-3188 and the code will be 9135517039 unless otherwise noticed.**

THANK YOU!!!